



9-2-04

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 3

Application Number	10/764,294
Filing Date	1/22/04
First Named Inventor	Porter et al.
Group Art Unit	3738
Examiner Name	Unknown
Attorney Docket Number	UNMC/0014
Submission Date	August 31, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
141	1	PANZA, JULIO A. et al. "Abnormal Endothelium-Dependent Vascular Relaxation in Patients with Essential Hypertension." <u>The New England Journal of Medicine</u> . July 1990, 323(1): 22-27.	
	2	LEVINE, M.D., GLENN N. et al. "Cholesterol Reduction in Cardiovascular Disease." <u>The New England Journal of Medicine</u> . February 1995, 32(8): 512-521.	
	3	WIDLANSKY, MD, MICHAEL E. et al. "The Clinical Implications of Endothelial Dysfunction." <u>Journal of the American College of Cardiology</u> . October 2003, 42(7): 1149-1160.	
	4	ANDERSON, MD, TODD J. et al. "Close Relation of Endothelial Function in the Human Coronary and Peripheral Circulations." <u>J. Am Coll. Cardiol.</u> November 1995, 26(5): 1235-1241.	
	5	RIM, MD, SE-JOONG et al. "Decrease in Coronary Blood Flow Reserve During Hyperlipidemia is Secondary to an Increase in Blood Viscosity." <u>Circulation</u> . 2001, 104: 2704-2709.	
	6	BAYFIELD, MD, MATTHEW S. et al. "Deoxygenated Blood Minimizes Adherence of Sonicated Albumin Microbubbles During Cardioplegic Arrest and After Blood Reperfusion: Experimental and Clinical Observations with Myocardial Contrast Echocardiography." <u>The Journal of Thoracic and Cardiovascular Surgery</u> . June 1997, 113(6): 1100-1108.	
	7	OKUMURA, MD, KEN et al. "Effect of Acetylcholine on the Highly Stenotic Coronary Artery: Difference Between the Constrictor Response of the Infarct-Related Coronary Artery and That of the Noninfarct-Related Artery." <u>J. Am. Coll. Cardiol.</u> March 1992, 19(4): 752-758.	
	8	VOGEL, MD, ROBERT A. et al. "Effect of a Single High-Fat Meal on Endothelial Function in Healthy Subjects." <u>The American Journal of Cardiology</u> . February 1997, 79: 350-354.	
	9	ANDERSON, TODD J. et al. "Endothelium-Dependent Coronary Vasomotion Relates to the Susceptibility of LDL to Oxidation in Humans." <u>Circulation</u> . May 1996, 93(9): 1647-1650.	
	10	CERIELLO, MD, ANTONIO et al. "Evidence for an Independent and Cumulative Effect of Postprandial Hypertriglyceridemia and Hyperglycemia on Endothelial Dysfunction and Oxidative Stress Generation - Effects of Short- and Long-term Simvastatin Treatment." <u>Circulation</u> . September 2002, 106: 1211-1218.	
	11	VINK, H. et al. "Evidence that cell surface charge reduction modifies capillary red cell velocity - flux relationships in hamster cremaster muscle." <u>Journal of Physiology</u> . 1995, 489.1: 193-201.	
	12	LUPATTELLI, MD, GRAZIANA et al. "Flow-mediated vasoactivity and circulating adhesion molecules in hypertriglyceridemia: Association with small, dense LDL cholesterol particles." <u>American Heart Journal</u> . September 2000, 140(3): 521-526.	
	13	JOHNSTONE, MD, MICHAEL T. et al. "Impaired Endothelium-Dependent Vasodilation in Patients with Insulin-Dependent Diabetes Mellitus." <u>Circulation</u> . December 1993, 88(6): 2510-2516.	

Examiner

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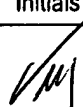

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/764,294
		Filing Date	1/22/04
		First Named Inventor	Porter et al.
		Group Art Unit	3738
		Examiner Name	Unknown
		Attorney Docket Number	UNMC/0014
Sheet 2	of 3	Submission Date	August 31, 2004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-Issue number(s), publisher, city and/or country where published	T ²
	14	PORTER, MD, THOMAS R. et al. "Improved Myocardial Contrast with Second Harmonic Transient Ultrasound Response Imaging in Humans Using Intravenous Perfluorocarbon-Exposed Sonicated Dextrose Albumin." <u>J. Amm. Coll. Cardiol.</u> May 1996, 27(6): 1497-501.	
	15	JAYAWEERA, ANANDA R. et al. "In Vivo Myocardial Kinetics of Air-Filled Albumin Microbubbles During Myocardial Contrast Echocardiography - Comparison with Radiolabeled Red Blood Cells." <u>Circ. Res.</u> June 1994, 74(6):	
	16	PORTER, THOMAS R. et al. "Inhibition of Carotid Artery Neointimal Formation with Intravenous Microbubbles." <u>Ultrasound in Medicine and Biology.</u> 2001, 27(2): 259-265.	
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	18	HACKMAN, MD, ANNE et al. "Levels of Soluble Cell Adhesion Molecules in Patients with Dyslipidemia." <u>Circulation.</u> April 1996, 93(7): 1334-1338.	
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	20	CHRISTIANSEN, MB, ChB, JONATHAN P. et al. "Noninvasive Imaging of Myocardial Reperfusion Injury Using Leukocyte-Targeted Contrast Echocardiography." <u>Circulation.</u> April 2002, 105: 1764-1767.	
	21	DE MAN, FRITS H. et al. "Not Acute but Chronic Hypertriglyceridemia is Associated with Impaired Endothelium-Dependent Vasodilation - Reversal After Lipid-Lowering Therapy by Atorvastatin." <u>Arterioscler. Thromb. Vasc. Biol.</u> March 2000, 20: 744-750.	
	22	CELERMAJER, Ph.D., DAVID S. et al. "Passive Smoking and Impaired Endothelium-Dependent Arterial Dilatation in Healthy Young Adults." <u>N. Engl. J. Med.</u> January 1996, 34(3):150-4.	
	23	ESKURZA, MD, IRATXE et al. "Pharmacologic Versus Flow-Mediated Assessments of Peripheral Vascular Endothelial Vasodilatory Function in Humans." <u>The American Journal of Cardiology.</u> November 2001, 88: 1067-1069.	
	24	RUIZ-ORTEGA, M. et al. "Fourth International Seminar on Cardiovascular Biology and Medicine: Part II." <u>Hypertension.</u> December 2001, 38: 1382-1387.	
	25	ABE, YASUNORI et al. "Soluble Cell Adhesion Molecules in Hypertriglyceridemia and Potential Significance on Monocyte Adhesion." <u>Arterioscler. Thromb. Vasc. Biol.</u> May 1998, 18: 723-731.	
	26	NEUNTEUFL, THOMAS et al. "Systemic endothelial dysfunction is related to the extent and severity of coronary artery disease." <u>Atherosclerosis.</u> 1997, 129: 111-118.	

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NON PATENT LITERATURE DOCUMENTS

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	27	ANDERSON, MD, TODD J. et al. "Systemic Nature of Endothelial Dysfunction in Atherosclerosis." <u>Am. J. Cardiol.</u> February 1995, 75: 71B-74B.	
	28	CORRETTI, MARY C. et al. "Technical aspects of evaluating brachial artery vasodilatation using high-frequency ultrasound." <u>Am. J. Physiol.</u> 1995, 268: H1397-H1404.	
	29	LUNDMAN, MD, PIA et al. "Transient Trygliceridemia Decreases Vascular Reactivity in Young, Healthy Men without Risk Factors for Coronary Heart Disease." <u>Circulation.</u> November 1997, 96(10): 3266-3268.	
	30	WELLER, PhD., GREGORY E.R. et al. "Ultrasound Imaging of Acute Cardiac Transplant Rejection with Microbubbles Targeted to Intercellular Adhesion Molecule-1." <u>Circulation.</u> July 3003, 108: 218-224.	

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1-22-04

PTO/SB/08a (08-03)

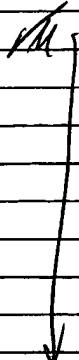
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number		Unknown	
				Filing Date		Herewith	
				First Named Inventor		Porter et al.	
				Group Art Unit		Unknown	
				Examiner Name		Unknown	
				Attorney Docket Number		UNMC/0014	
Sheet	1	of	2	Submission Date		January 22, 2004	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (if known)				
	A1	US-4,572,203	02/25/1986	Steven B. Feinstein		
	A2	US-4,718,433	01/12/1988	Steven B. Feinstein		
	A3	US-4,774,958	10/04/1988	Steven B. Feinstein		
	A4	US-5,560,364	10/01/1996	Board of Regents of the University of Nebraska		
	A5	US-5,567,415	10/22/1996	Board of Regents of the University of Nebraska		
	A6	US-5,578,291	11/26/1996	Board of Regents of the University of Nebraska		
	A7	US-5,701,899	12/30/1997	Board of Regents of the University of Nebraska		
	A8	US-5,980,950	11/09/1999	Board of Regents of the University of Nebraska		
	A9	US-6,080,386	06/27/2000	Board of Regents of the University of Nebraska		
	A10	US-6,245,747	06/12/2001	Board of Regents of the University of Nebraska		
	A11	US-6,439,236	08/27/2002	Board of Regents of the University of Nebraska		
	A12	US-6,537,814	03/25/2003	Board of Regents of the University of Nebraska		

FOREIGN PATENT DOCUMENTS						
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		Number-Kind Code ² (if known)				
	B1	EP 0398935 (WO 89/06978) A1	08/10/1989	Schering AG, Berlin und Bergkamen		
	B2	EP 0441468 A2	08/14/1991	Schering AG, Berlin und Bergkamen		
	B3	EP 0458079 A2	11/27/1991	Hoechst Aktiengesellschaft		
	B4	EP 0458745 A1	11/27/1991	Sintetica S.A.		X
	B5	WO 80/02365 A1	11/13/1980	Razor Associates, Inc.		X
	B6	WO 93/17718 A1	09/16/1993	Klaveness et al.		X
	B7	WO 96/07434 A1	03/14/1996	Klaveness et al.		X
	B8	WO 96/39197 A1	12/12/1996	IMARx Pharmaceutical Corp.		X
	B9	WO 97/29783 A1	08/21/1997	Dugstad et al.		X
	B10	WO 99/13918	03/25/1999	University of Pittsburgh		X

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Sheet 2

of 2

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	1	Villanueva, Flordeliza S. et al. "Albumin Microbubble Adherence to Human Coronary Endothelium: Implications for Assessment of Endothelial Function Using Myocardial Contrast Echocardiography." <u>J. Am. Coll. Cardiol.</u> 1997, 30: 689-93.	
	2	Lindner, M.D., Jonathan R. et al. "Albumin Microbubble Persistence During Myocardial Contrast Echocardiography is Associated with Microvascular Endothelial Glycocalyx Damage." <u>Circulation.</u> 1998, 98: 2187-94.	
	3	Masugata, M.D., Hisashi et al. "Comparison of Microbubble Agents that Produce Different Myocardial Signal Intensity for Quantification of Myocardial Blood Flow by Myocardial Contrast Echo." <u>The American Journal of Cardiology.</u> September 2001, 88: 714-718.	
	4	Phillips, P.J. "Contrast Pulse Sequences (CPS): Imaging Nonlinear Microbubbles." <u>IEEE Ultrasonics Symposium.</u> 2001, 1739-45.	
	5	Veneri, Lucia et al. "Detection of Carotid Artery Endothelial Function with Intravenous Microbubbles." <u>The Online Abstract.</u> 2003.	
	6	Celermajer, David S. "Endothelial Dysfunction: Does It Matter? Is It Reversible?" <u>J. Am. Coll. Cardiol.</u> August 1997, 30(2): 325-33.	
	7	Fisher, MBBS, Nicholas G. et al. "Influence of Microbubble Surface Charge on Capillary Transit and Myocardial Contrast Enhancement." <u>J. Am. Coll. Cardiol.</u> 2002, 40(4): 811-9.	
	8	Kaul, S. "Instrumentation for contrast echocardiography: technology and techniques." <u>Am. J. Cardiol.</u> November 2002, 19(90) Suppl 10A:8J-14J. <u>National Center for Biotechnology Information.</u> 14 April 2003 <wysiwyg://http://www.ncbi.nlm.nih.gov...PubMed&List_uids=12450584&dopt=Abstract>.	
	9	Villanueva, F.S. et al. "Microbubble-endothelial cell interactions as a basis for assessing endothelial function." <u>Echocardiography.</u> July 2002, 19(5): 427-38. <u>National Center for Biotechnology Information.</u> 28 March 2003 <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=12...>.	
	10	Lindner, M.D., Jonathan R. et al. "Microbubble Persistence in the Microcirculation During Ischemia/Reperfusion and Inflammation is Caused by Integrin- and Complement-Mediated Adherence to Activated Leukocytes." <u>Circulation.</u> 2000, 101: 668-75.	
	11	Lindner, M.D., Jonathan R. et al. "Noninvasive Ultrasound Imaging of Inflammation Using Microbubbles Targeted to Activated Leukocytes." <u>Circulation.</u> 2000, 102: 2745-50.	
	12	Klibanov, A.L. et al. "Targeting and ultrasound imaging of microbubble-based contrast agents." <u>Magma.</u> August 1999, 8(3): 177-84. <u>National Center for Biotechnology Information.</u> 28 March 2003. <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&list_uids=10...>.	
	13	Lindner, M.D., Jonathan R. et al. "Ultrasound Assessment of Inflammation and Renal Tissue Injury with Microbubbles Targeted to P-Selectin." <u>Circulation.</u> 2001, 104: 2107-2112.	

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